DASH Complex Subunit DUO1 (DUO1) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	DASH complex subunit DUO1 (DUO1), Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis DASH complex subunit DUO1 (DUO1)
Product Gene Name	DUO1 recombinant protein
Product Synonym Gene Name	DUO1; KLLA0C05742g
Product Synonym Names	DASH complex subunit DUO1; Outer kinetochore protein DUO1
Sequence	MVEHKLDAST ISKMIPQIFD QMRRQTGSKN FASTPASIST QSLLKEQEQL DKIIPVIQNL NERIKDCKEG DMERIKETCH AMNTILDKFI SIQSQASYVN SMMNNEEYLD YVASGKSEEE YISAKQREVE ELEKRVKQYT TMHAPSVKPP ASKIPVGNDT RKVTKPGQRN GRSGLYSIST RNNSNNSGAN GRRPPGNGNN VGRRRVYR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,525 Da
Sequence Positions	1-208aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6CUD4
Species	Kluyveromyces lactis (strain 8585 / CBS 2359 / DSM 70799 / NBRC 1267 / NRRL Y-1140 / WM37) (Yeast) (Candida sphaerica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DUO1 recombinant protein	MBS1351922 is a recombinant protein targeting DUO1. Also known as Recombinant Kluyveromyces lactis DASH complex subunit DUO1 (DUO1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DUO1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DUO1. It may not necessarily be applicable to this product.

NCBI GI #	50304995
NCBI GeneID	2891887
NCBI Accession #	XP_452455.1
UniProt Primary Accession #	Q6CUD4

UniProt Related Accession #	Q6CUD4
GenBank Nucleotide #	XM_452455.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	KLLA0C05742g
UniProt Protein Name	DASH complex subunit DUO1
UniProt Synonym Protein Names	Outer kinetochore protein DUO1
Protein Family	DASH complex
UniProt Gene Name	DUO1
UniProt Entry Name	DUO1_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for DUO1	Component of the DASH complex, a microtubule-binding subcomplex of the outer kinetochore that is essential for proper chromosome segregation. The DASH complex mediates the formation and maintenance of bipolar kinetochore-microtubule attachments by forming closed rings around spindle microtubules and establishing interactions with proteins from the central kinetochore ().
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